INSTRUCTIONS

-J05464 REV. 2011-06-24

PREMIUM AIR HORN INSTALLATION KIT

GENERAL

Kit Numbers

69000035

Models

For model fitment information, see the P&A Retail Catalog or the Parts and Accessories section of www.harley-davidson.com (English only).

Additional Parts Required

A Premium Air Horn (Part Number 69423-05) is required for proper installation of these kits. This item is available from a Harley-Davidson Dealer.

⚠WARNING

The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333a)

NOTE

This instruction sheet references service manual information. A service manual for your model motorcycle is required for this installation and is available from a Harley-Davidson Dealer.

Electrical Overload

NOTICE

It is possible to overload your vehicle's charging system by adding too many electrical accessories. If the combined electrical accessories operating at any one time consume more electrical current than the vehicle's charging system can produce, the electrical consumption can discharge the battery and cause damage to the vehicle's electrical system. See an authorized Harley-Davidson dealer for advice about the amount of current consumed by additional electrical accessories or for necessary wiring changes. (00211c)

⚠WARNING

When installing any electrical accessory, be certain not to exceed the maximum amperage rating of the fuse or circuit breaker protecting the affected circuit being modified. Exceeding the maximum amperage can lead to electrical failures, which could result in death or serious injury. (00310a)

The Premium Air Horn requires up to **18 Amps** additional current from the electrical system when sounding the horn.

Kit Contents

See Figure 8 and Table 1.

REMOVAL

⚠WARNING

To prevent accidental vehicle start-up, which could cause death or serious injury, disconnect battery cables (negative (-) cable first) before proceeding. (00307a)

⚠WARNING

Disconnect negative (-) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00049a)

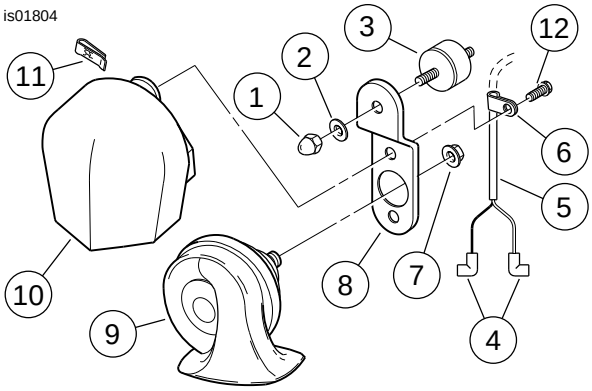
1. Refer to the service manual and follow the instructions given to remove the seat and disconnect the battery cables (negative cable first). Save all seat mounting hardware.
2. See Figure 1. Remove the acorn nut (1) and flat washer (2) to free the horn assembly from the rubber mount (3) stud. Remove the rubber mount from the weld nut on the engine strap, and discard the mount.
3. Remove the elbow terminals (4) from the two spade contacts on the horn (9), and release the main harness conduit (5) from the J-clamp (6).

NOTE

*DO NOT cut the elbow terminal from the **black** wire.*

4. **For 2011 and later Softail and 2012 and later Dyna models:** Cut the elbow terminal from the red/violet wire. Do **not** cut the black wire from the horn on the main harness.

   For All Other Models: Cut the elbow terminal from the yellow/black wire. Do **not** cut the black wire from the horn on the main harness.
5. Remove the 10 mm flange nut (7) from the circular recess at the back of the horn bracket (8). Remove the horn from the chrome horn cover (10).



1. **Acorn nut**
2. **Flat washer**
3. **Rubber horn mount**
4. **Elbow terminals (2)**
5. **Main harness**
6. **"J"-clamp**
7. **Flange nut**
8. **Horn bracket**
9. **Horn**
10. **Chrome horn cover**
11. **Speed nut**
12. **Screw, serrated flange**

Figure 1. Original Equipment Horn Removal

INSTALLATION

1. See Figure 8. Obtain the horn mounting bracket (1), chrome hex screw (2) and large chrome flat washer (3) from the kit. Assemble the bracket to the weld nut on the engine strap (C), with the bent tab toward the vehicle, using the screw and washer. Do not fully tighten at this time.

2. Obtain the **new** isolator (5) and hex lock nut (4) from the kit. Insert the **threaded** stud on the isolator, from the outside, into the large hole in the horn mounting bracket.

   Fit the three pins on the isolator into the small holes in the bracket, and fasten the isolator to the bracket with the lock nut. Tighten to 80-100 **in-lbs** (9.0-11.3 Nm) .

NOTE

Rotating the bracket will aim the horn forward and down at a 45-degree angle for best sound dispersion.

3. Rotate the horn mounting bracket clockwise, tight against the engine strap. Tighten the chrome hex screw to 80-100 **in-lbs** (9.0-11.3 Nm).

4. Obtain the Premium Air Horn (item A, purchased separately), and the socket head screw (6) and small chrome flat washer (7) from **this** kit.

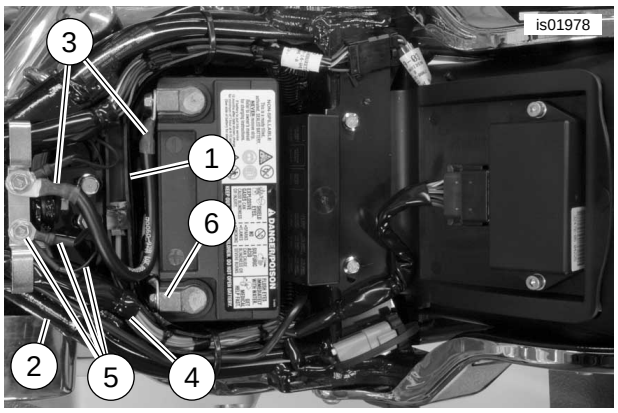
   Hook the mounting block (D) on the back of the horn over the T-stud (E) on the isolator. Align the hole on the top of the mounting block with the threaded hole in the T-stud.

5. Fasten the horn to the stud with the screw and washer. Tighten to 100-120 **in-lbs** (11-14 Nm).

NOTE

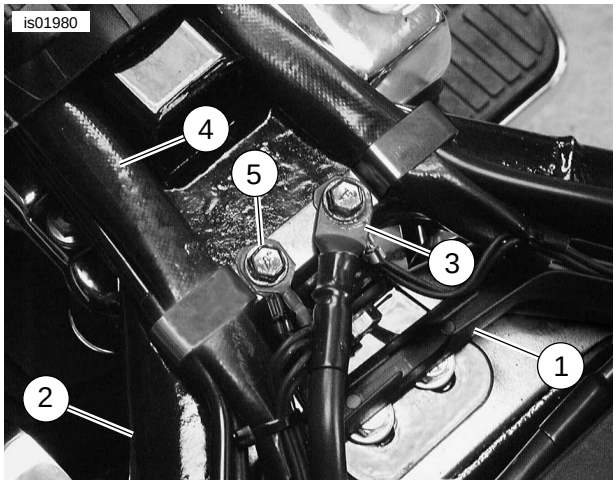
On the underside of the horn, note the small + and - markings at the terminals. (For use later but not as readily visible at that point).

New Horn Wiring



1. **Wire loom shield**
2. **Left-side upper frame tube**
3. **Battery negative (-) cable**
4. **Main wiring harness, left-side branch**
5. **Left-side chassis ground**
6. **Battery positive (+) terminal**

Figure 2. Battery Compartment (Softail Models)



1. **Wire loom shield**
2. **Left-side upper frame tube**
3. **Battery negative (-) cable and right-side chassis ground**
4. **Main wiring harness, left-side branch**
5. **Left-side chassis ground**

Figure 3. Chassis Grounds (Softail Models)

1. **For Softail models:** Obtain the horn wiring harness (8) from the kit.

   See Figure 2 and Figure 3. Feed the long branch of the harness into the space in front of the vehicle battery,

underneath the wire loom shield (1) and under the left-side upper frame tube (2).

a. Bring the long harness branch out from under the frame tube, and bring it forward alongside the left-side branch of the main wiring harness (4).

b. Tuck the relay (F, see Figure 8) on the horn harness **under** the battery negative (-) cable and **under** the wires connected to the left-side chassis ground (5). Position the relay with the electrical connector toward the rear and downward.

   See Figure 8. Use a cable strap (10) to attach the relay to a harness inboard of the left-side upper frame tube if necessary.

c. Bring the short harness branch with the ring terminal and **black** wire sleeve over to the left-side chassis ground, and add the ring terminal to the ground wires already present.

d. Bring the harness branch with the ring terminal and **red** wire sleeve over to the area of the battery positive (+) terminal, and tuck the fuse holder into the available space in front of the battery.

For 1996 through 2005 Dyna models: Obtain the horn wiring harness (8) from the kit.

See Figure 4. Feed the long branch of the harness down into the center of the large opening in the frame (1), **inside** the loop of the thick vehicle wire harness (3) and forward behind the electrical caddy (2).

a. See Figure 5. Pull the long branch of the harness out from behind the electrical caddy (2), and forward under the left-side upper frame (1).

b. Position the relay (F, see Figure 8) on the horn harness with the electrical connector downward. Tuck the relay into the frame opening. Use a cable strap from the kit to fasten the relay to the harness at location (4).

c. See Figure 5. Bring the short harness branch with the ring terminal and **black** wire sleeve over to the chassis ground studs (3) under the electrical caddy (2), and add the ring terminal to one of studs along with the ground wires already present.

d. See Figure 4. Bring the harness branch with the ring terminal and **red** wire sleeve over to the area of the battery positive (+) terminal (5), and tuck the fuse holder into the available space.

For 2006 and later Dyna models: Refer to the service manual and follow the instructions given to remove the battery and battery tray from the vehicle.

See Figure 8. Obtain the horn wiring harness (8) from the kit.

a. See Figure 6. Feed the long branch of the harness down into the forward area of the large opening in the frame (1), and forward behind the electrical caddy (2).

b. Pull the long branch of the harness out from behind the electrical caddy and forward under the left-side upper frame.

c. See Figure 8. Position the relay (F) on the horn harness with the electrical connector downward. Tuck the relay into the frame opening. Use a cable strap (10) from the kit to fasten the relay to the harness if necessary.

d. See Figure 7. Bring the short harness branch with the ring terminal and **black** wire sleeve over to the chassis ground studs (1) forward of the rear fender (2), and add the ring terminal to one of studs along with the ground wires already present.

e. Bring the horn harness branch with the ring terminal and **red** wire sleeve forward and out from the frame.

f. Refer to the service manual and follow the instructions given to install the battery tray to the vehicle. Bring the horn harness ring terminal around the outside front of the battery tray over to the area of the area of the battery positive (+) terminal. Tuck the fuse holder into the available space.

⚠WARNING

When servicing the fuel system, do not smoke or allow open flame or sparks in the vicinity. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury. (00330a)

NOTE

Fuel tank removal is not necessary to install the Premium Air Horn. However, the fuel tank must be raised enough to route the wire harness and air intake tube.

2. **ALL models:** Refer to Fuel Tank Removal section in the the service manual and follow the steps up to and including removal of the fuel tank attaching hardware.

3. Continue the long leg of the horn harness forward to a point directly above the **new** horn.

   Fasten the horn harness to the existing harnesses rearward of the horn with cable straps from the kit as needed.

4. Continue the horn harness leg down to the horn. Plug the elbow terminal of the **yellow** wire onto the terminal marked + (positive).

5. Plug the elbow terminal on the **black** wire on the main harness conduit onto the terminal marked - (negative).

6. **For 2011 and later Softail and 2012 and later Dyna models:** Refer to the service manual. Connect the **red/violet** wire on the main harness conduit to the butt splice connector on the **yellow/ black** wire on the horn harness.

   For All Other Models: Refer to the service manual. Connect the **yellow/ black** wire on the main harness

conduit to the butt splice connector on the **yellow/ black** wire on the horn harness.

7. See Figure 8. Obtain the air intake tube (B, comes with the Premium Air Horn). Push the tube connector into the opening near the bottom of the horn until the tab retainer clicks into place.

NOTES

Position the air intake tube so it will not get pinched by the seat or fuel tank after installation, contact hot engine or exhaust components, or interfere with the operation of the motorcycle.

Do not pinch the tube when fastening with cable straps.

8. Route the tube upward to the area under the seat. Fasten the tube to the motorcycle with cable straps as needed. Do not pinch the tube by over-tightening the straps.

   Cut off any excess tube or strap length.

⚠WARNING

When servicing the fuel system, do not smoke or allow open flame or sparks in the vicinity. Gasoline is extremely flammable and highly explosive, which could result in death or serious injury. (00330a)

9. Tighten the fuel tank hardware following the instructions in the service manual.

NOTE

To prevent possible damage to the electrical system, verify that the ignition/ light key switch is in the OFF position before connecting the battery cables.

10. Verify that the ignition/ light key switch is in the OFF position.

⚠WARNING

Connect positive (+) battery cable first. If positive (+) cable should contact ground with negative (-) cable connected, the resulting sparks can cause a battery explosion, which could result in death or serious injury. (00068a)

NOTICE

Do not over-tighten bolts on battery terminals. Use recommended torque values. Over-tightening battery terminal bolts could result in damage to battery terminals. (00216a)

11. Refer to the service manual and follow the instructions given to connect the positive (red) battery cable and install the horn harness ring terminal with the **red** wire sleeve to the positive (+) battery terminal.

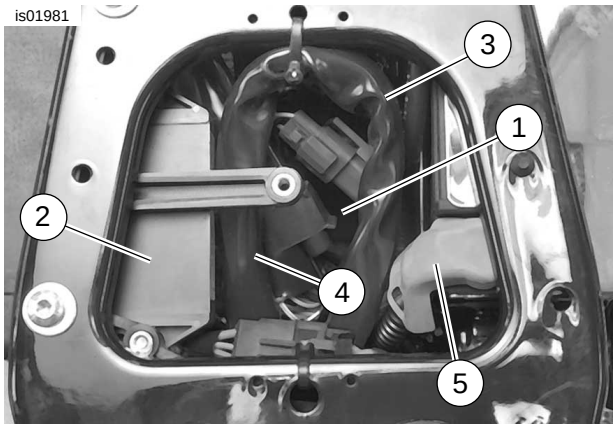
12. Follow the instructions to connect the negative (black) battery cable to the negative (-) battery terminal.

⚠WARNING

After installing seat, pull upward on seat to be sure it is locked in position. While riding, a loose seat can shift causing loss of control, which could result in death or serious injury. (00070b)

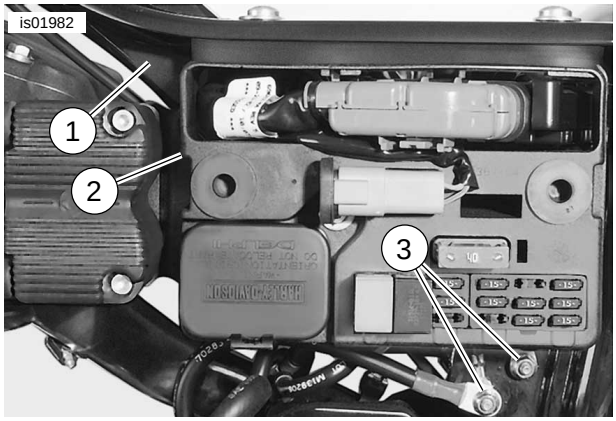
13. Refer to the service manual and follow the instructions to install the seat.

14. Test the horn for proper operation. If the horn output is diminished (sounds like a goose), reverse the connections at the horn, the positive (+) and negative (-) terminals are reversed.



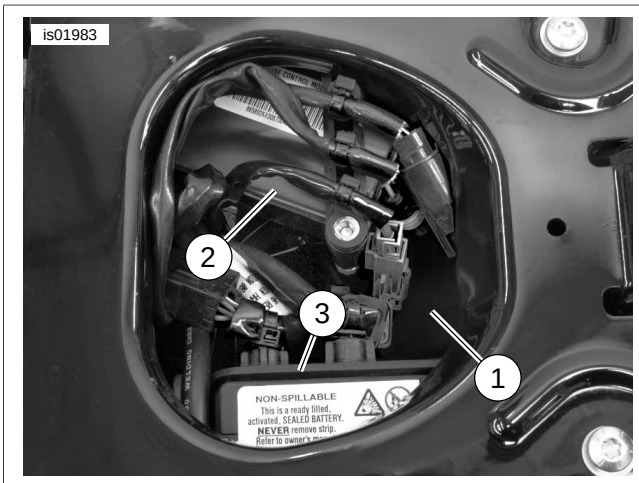
1. **Feed long branch of harness into opening in this area.**
2. **Electrical caddy**
3. **Vehicle wire harness**
4. **Tie relay to vehicle wire harness in this area.**
5. **Battery positive (+) terminal**

Figure 4. Top View of Underseat Area (1996-2005 Dyna)



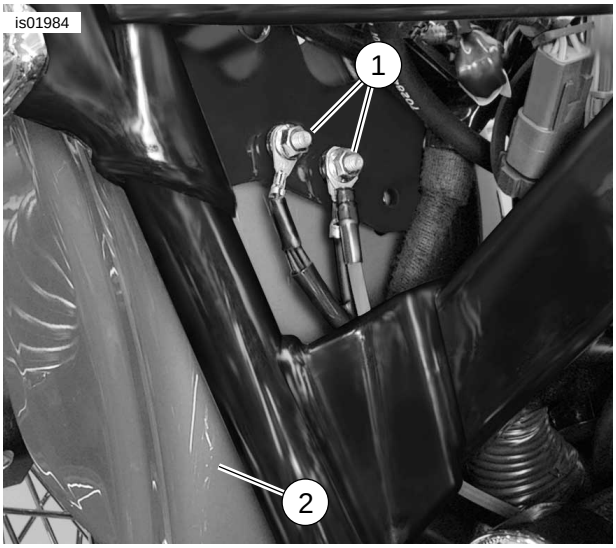
1. **Left-side upper frame**
2. **Electrical caddy**
3. **Ground stud (2)**

Figure 5. Chassis Grounds (1996-2005 Dyna)



1. **Feed long branch of harness into opening in this area.**
2. **Electrical caddy**
3. **Battery tray**

Figure 6. Underseat Area (2006 and Later Dyna)



1. **Ground stud (2)**
2. **Rear fender**

Figure 7. Chassis Grounds (2006 and Later Dyna)

SERVICE PARTS

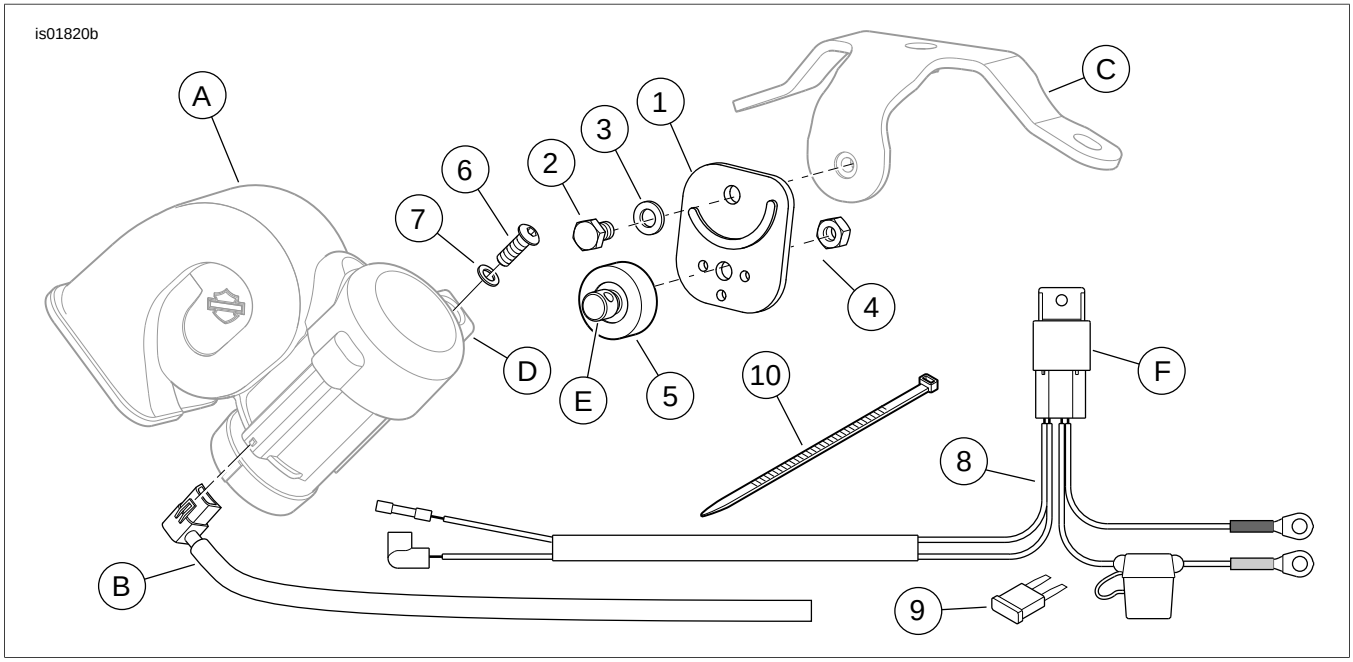


Figure 8. Service Parts: Horn Installation Kit

Table 1. Service Parts Table

Item	Description (Quantity)	Part Number
1	Bracket, horn mounting	69472-05A
2	Screw, mounting bracket (5/16-18)	94193-91T
3	Flat washer, mounting bracket	6781
4	Hex lock nut, with Nylon insert (5/16-18)	7739
5	Isolator	69471-05
6	Screw, isolator (1/4-20)	3063
7	Flat washer, isolator	6220W
8	Wire harness, horn	69200346
9	• Fuse, blade type, 20 Amp	72315-05
10	Cable strap (10)	10006
11	Cable strap (4) (not shown)	10039
Items mentioned in text, but not included in kit:		
A	Horn (Part Number 69423-05, includes item B)	
B	• Tube, air intake (Part Number 59606-05)	
C	Engine strap	
Items mentioned in text:		
D	Mounting block on horn	
E	T-stud on isolator	
F	Relay on horn harness	